

Application # 09/312,922
Amendment Dated April 19, 2004
Reply to Office Action of December 17, 2003

I. AMENDMENT TO THE CLAIMS

3. This listing of claims will replace all prior versions, and listings, of claims in the application:

II. LISTING OF CLAIMS

1. (currently amended) A system for transmitting data representing a stream of video images, comprising:
 - a. a medical test device for generating the stream of video images;
 - b. a transmitter coupled to the medical test device for receiving and selectively distributing data representing the stream of video images; and
 - c. one or more remote receivers for communicating with the transmitter and configured to receive the data representing the stream of video images from the transmitter.
2. (currently amended) The system according to claim 1 wherein the transmitter further comprises a compressor configured for compressing the data representing the stream of video images, thereby forming a compressed stream of data.
3. (original) The system according to claim 2 wherein the one or more receivers further comprise a decompressor configured for returning the compressed stream of data into an uncompressed state.
4. (currently amended) The system according to claim 1 further comprising a recorder device coupled to the medical test device and configured for storing the data representing the stream of video images generated by the medical test device.
5. (original) The system according to claim 1 wherein the medical test device is one of an ultrasound, a sonogram, an echocardiogram, and an angioplastigram.
6. (currently amended) The system according to claim 1 further comprising a network coupled between the transmitter and the one or more receivers for transporting the data representing the stream of video images.

Application # 09/312,922
Amendment Dated April 19, 2004
Reply to Office Action of December 17, 2003

7. (original) The system according to claim 6 wherein the network is an Internet Protocol network.
8. (canceled)
9. (canceled)
10. (canceled)
11. (canceled)
12. (canceled)
13. (canceled)
14. (canceled)
15. (canceled)
16. (canceled)
17. (canceled)
18. (canceled)
19. (canceled)
20. (canceled)
21. (canceled)
22. (canceled)
23. (currently amended) A system for allowing a user to remotely control a medical device, the system comprising:
 - a. a medical device for generating a plurality stream of video images;
 - b. a transmitter coupled to the medical device for selectively distributing the plurality stream of video images; and
 - c. a remote receiver coupled to the transmitter for selectively receiving the plurality stream of video images and allowing the user to remotely control the medical device through the receiver,

whereby the user can see the results of the remote control commands in substantially real-time.

Application # 09/312,922
Amendment Dated April 19, 2004
Reply to Office Action of December 17, 2003

24. (original) The system according to claim 23 wherein the medical device is one of an ultrasound, a sonogram, an echocardiogram, and an angioplastigram.
25. (original) The system according to claim 23 wherein the remote receiver is coupled to the transmitter through a network.
26. (original) The system according to claim 25 wherein the network is an Internet Protocol network.
27. (currently amended) The system according to claim 23 wherein the user remotely controls parameters of the plurality stream of video images including frame rate and frame size.
28. (canceled)
29. (canceled)
30. (canceled)
31. (canceled)
32. (currently amended) The system of claim 23, said system further comprising:
 - d. a robotic device coupled to said transmitter,wherein said transmitter is configured to control said robotic device, and
wherein said transmitter is configured to receive control commands from said user through said remote receiver, and
wherein said robotic device responds to said control commands in substantially real-time, and
wherein ~~at least one of~~ said stream of video images comprises a substantially live video,
whereby said remote receiver receives and displays said live video substantially in real-time, and
whereby the remote user can control said robotic device with control commands while viewing said live video,
whereby the remote user can perform procedures with the robotic device and the medical device with substantially real-time control and real-time visual feedback.

Application # 09/312,922
Amendment Dated April 19, 2004
Reply to Office Action of December 17, 2003

33. (currently amended) A system for transmitting a real-time video over a network, said system comprising:

- a. a transmitter containing one or more digitized frames of a said real-time video being transmitted,
- b. a network connected to said transmitter,
- c. one or more remote receivers connected to said network for receiving said video from said transmitter,

wherein at least one of said receivers is configured to receive one or more control commands from a user, and

wherein said transmitter is configured to receive at least one of said control commands from said one of said receivers,

wherein said control command changes the operation of said transmitter,

whereby said user can remotely control the operation of said transmitter in substantially real-time.

34. (previously amended) The system of claim 33 wherein said control command specifies a subset of the area of said digitized frames,

wherein said transmitter selectively operates on said subset of the frame area.

35. (currently amended) The system of claim 33 wherein said transmitter further comprises a compressor which can be configured to use a plurality of video compressors compression algorithms and,

wherein said control command allows the remote user to select or change the selection of one of the plurality of video ~~compressors~~ compression algorithms to be used by the transmitter to process said digitized frames.

36. (previously amended) The system of claim 33 wherein said control command allows the remote user to start or stop the transmission of said video.